

In re Morel, J. L.

REMARKS

Claims 1-11 are pending in the application. Claims 3-11 have been amended to delete multiple dependency. In addition, Applicant is submitting herewith an Abstract in accordance with U.S. practice. The title has also been amended. The specification headings and the abstract have been added.

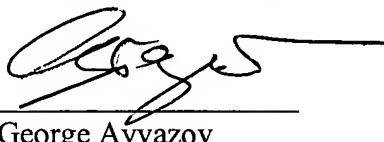
It is not the intent of applicant to add new matter nor has any new matter been added.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "**VERSION WITH MARKINGS TO SHOW CHANGES MADE.**"

The clean version of the Abstract is attached hereto.

Applicants believe that no fee is required for this submission. However, should a fee be due, please charge such fee to Deposit Account No. 50-0548.

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Specification:

The title has been amended as follows:

DISMOUNTABLE PREFABRICATED STRUCTURE[, NOTABLY DWELLING,] AND [A]
PROCESS FOR [ITS MANUFACTURE] MANUFACTURING SAME

The following heading has been inserted before the first full paragraph on page 1:

BACKGROUND OF THE INVENTION

1. Field of the Invention.

The first full paragraph on page 1 has been amended as follows:

This invention pertains to [The object of the invention is] a dismountable prefabricated structure, notably a dwelling, having prefabricated sandwich panels, posts and crosspieces, all these elements being modular, and a process for its manufacture.

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The following heading has been inserted between the first and second paragraphs between lines 6-7 on page 1:

2. Description of the Prior Art.

The following heading has been inserted between lines 3-4 on page 2:

SUMMARY OF THE INVENTION

The following heading has been inserted between lines 2-3 on page 4:

BRIEF DESCRIPTION OF THE DRAWINGS

The following heading has been inserted between lines 16-17 on page 4:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

In the Claims:

Claims 3-11 has been amended as follows:

3. (Amended) Structure in accordance with claim 1 [or 2], characterized in that each horizontal row of panels has in its upper part a crosspiece or a tightened continuous horizontal tie maintaining the set of panels tight, and in that each panel is separated from the next by a post of height equal to the height of the vertical struts of the panel and placed under the crosspiece.

4. (Amended) Structure in accordance with [one of the claims] claim 1 [to 3], characterized in that the insulating material is an expanded volcanic sand mortar mixed with hydrosilicate and conifer cellulose base granulates.

5. (Amended) Structure in accordance with [one of the claims] claim 1 [to 4], characterized in that each angle part is prefabricated in the plant and made of two exterior plates placed at a right angle and two interior plates parallel to the exterior plates in the same material as the sandwich panels and separated by the same distance as the sandwich panels by struts leaving in the angle an empty space provided for receiving a post and having an insulating material between the plates.

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6. (Amended) Structure in accordance with [one of the claims] claim 1 [to 5], characterized in that the posts and the crosspieces have a square or rectangular section and in that the distance of the struts from the edge of the plates is equal to half the side of the square or rectangular section of the crosspieces and posts and the interval between the plates is equal to the side of this square or rectangular section.

7. (Amended) Structure in accordance with [one of the claims] claim 1 [to 6], characterized in that the posts and crosspieces are in solid or glued laminated wood and the struts of the panels in hydrosilicate and conifer cellulose base material having a specific mass equal to or less than 350 kg/m³ identical to the one of the plates, in wood or in metal.

8. (Amended) Structure in accordance with [one of the claims] claim 1 [to 6], characterized in that the posts and crosspieces and/or ties are in metal, light reinforced concrete or plastic, for example polyvinyl chloride, and the struts of the panels are in wood or in hydrosilicate and conifer cellulose base material having a specific mass equal to or less than 350 kg/m³ identical to the one of the plates.

9. (Amended) Structure in accordance with [one of the claims] claim 2 [to 8], characterized in that it has the door and window frames having modular dimensions relative to the panels, the posts and the crosspieces, that is to say their width is a multiple of the width of the base panel.

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10. (Amended) Manufacturing process of a structure in accordance with one of the above claims, characterized in that a platform is built having a surface roughly smaller than the structure[.], the process comprising the steps of:

[A] placing a first angle part [is placed] on this platform, then two ledgers in the angle part that are fastened on the platform[.];

[Then] placing a first post [is placed] having a height such that it is flush with the bottom of the groove provided in the angle of the angle part as well as both posts roughly of the same height in the spaces provided in the angle part[.];

[The] placing two sandwich panels [are placed] on each side of the angle part in order to enclose the last two posts placed, which constitute the start of both walls[.];

[These] repeating the last operations [are repeated] so that a row of panels is constituted until another angle of the structure or a post making up a door or window frame is reached[.];

[Then] placing a first crosspiece [is placed] in the groove provided in the upper part of the sandwich panels constituting a first wall and the same thing is done for the second wall, both crosspieces being assembled using a part provided for this in the post placed in the angle of the angle part[.];

Once the second row of sandwich panels is placed, the crosspieces and/or ties are tightened[.];

repeating [All] all these operations [will be repeated] until the whole structure is completed.

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11. (Amended) Process in accordance with [the] claim 10, characterized in that the platform is made of wood, concrete or metal.

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In the Abstract:

The following Abstract has been added:

ABSTRACT

A structure comprises light and simple elements enabling it to be easily constructed by one single person, without requiring lifting means or complex assembling means. All the elements are modular, such as prefabricated sandwich panels, posts, crossbeams and tie-rods.
The sandwich panels consist of two plates having a height ranging between 0.7 m and 3.5 m made of a material based on hydrosilicate and conifer cellulose having a specific mass not more than 350 kg/m³ and thickness ranging between 3 cm and 5 cm, maintained spaced apart by spacers arranged on the periphery of the plates at some distance from the edges thereof so as to form an inner casing and an outer groove, casing filled with insulating material. The stability of the structure is provided by tensioned crossbeams and/or tie rods maintaining the panels clamped in position. Prefabricated corner parts determine the shape of the structure.

ABSTRACT

A structure comprises light and simple elements enabling it to be easily constructed by one single person, without requiring lifting means or complex assembling means. All the elements are modular, such as prefabricated sandwich panels, posts, crossbeams and tie-rods. The sandwich panels consist of two plates having a height ranging between 0.7 m and 3.5 m made of a material based on hydrosilicate and conifer cellulose having a specific mass not more than 350 kg/m³ and thickness ranging between 3 cm and 5 cm, maintained spaced apart by spacers arranged on the periphery of the plates at some distance from the edges thereof so as to form an inner casing and an outer groove, casing filled with insulating material. The stability of the structure is provided by tensioned crossbeams and/or tie rods maintaining the panels clamped in position. Prefabricated corner parts determine the shape of the structure.